



**BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM, HYDERABAD-32
FACTORY CIVIL & PROJECTS DEPARTMENT**

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-10/2021-22 Dt: 01.07.2021

PRICE BID

Name of work: Miscellaneous Carpentry works in Factory area & Admn Building for a period of 12 months .

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Supplying and fixing of commercial type double leaf flush shutters solid core non-decorative type conforming to I.S 2202 Part-I. 30 mm thick (commercial ply on both sides) of approved quality and brand including 6 nos M.S hinges 10 cm, and 2 Nos. aluminium tower bolt 20 cm long and 1 No. aluminium aldop 300 mm long, including cost of materials and labour etc., complete all as directed by Engineer-in-charge.	8.00	One Sq. m	562.84	4,502.74
2	--Do-- with 19 mm thermocole board	20.00	One Sq. m	359.05	7,180.95
3	Providing and fixing false ceiling boards / tiles of size 0.60 x 0.60 M, including removing the damaged ceiling tiles etc., complete all as directed by Engineer-in-charge with the following boards. 12 mm thick (Nova teak or Kitply) plain / semi perforated particle board.	5.00	One Sq. m	345.41	1,727.04
4	Dismantling the existing wooden / aluminium partitions into small units including removing doors, glass panes, etc., transporting, planing, cutting, and re-assembling of partitions , doors, glass panes etc., complete. Rate quoted shall include the cost of all materials required for reassembling such as nails, screws, fevicol etc. all as directed by the Engineer-in-charge.	25.00	One Sq. m	220.35	5,508.83
5	Dismantling the existing wooden / aluminium partitions into small units including removing doors, glass panes, etc., transporting and stacking carefully for reuse, in the departmental stores complete. All as directed by the Engineer-in-charge.	20.00	One Sq. m	116.09	2,321.76
6	Repairs to the existing wooden / aluminium partitions and doors, removing the bends , repairing the spoiled/damaged joints of frames and re-fixing them in position including cutting, planing etc., complete all as directed by Engineer-in-charge. The work includes the removal of glass panes and doors if any and re-fixing them in position. The rate quoted shall include cost of all materials required for the work such as nails, screws, Fevicol etc.	30.00	One Sq. m	57.55	1,726.52
7	Polishing two or more coats on new wood work with French spirt polish including a coat of wood filler as directed by Engineer-in-charge. Including cost of all materials.	50.00	One Sq. m	75.48	3,774.23
8	Supply & fixing of 4 mm thick glass of plain / opaque / pin headed etc. , with MS glazing clips and putty at all floors of buildings. The rate quoted shall include removal of broken glasses, cleaning old putty etc., complete from the old windows / partitions at all heights of the buildings, as directed by Engineer-in-charge.	5.00	One Sq. m	561.99	2,809.96
9	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber/neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . 4mm Thick Make: Modi float/Saint gobain	15.00	One Sq. m	696.58	10,448.71

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10	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber/neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . 5.5mm Thick Make: Modi float/Saint gobain	25.00	One Sq. m	869.83	21,745.76
11	Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade 1 Type 11, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.	25.00	One Sq. m	931.49	23,287.16
12	Repairs to the existing Armstrong false ceiling including dismantling and removal of damaged 'T' angles, wall angles, intermediate channels, and refixing the false ceiling with new wall/Tee/intermediate angles and channels in place of damaged sections including dismantling of existing false ceiling and providing the false ceiling in new locations. It also includes anchoring the ceiling grid with GI wire to the ceiling with rawl plugs, hooks, levelling and fixing of boards etc. complete as directed by Engineer-in-charge.	75.00	One Sq. m	247.29	18,546.41
13	Supply & fixing of Armstrong mineral fibre false ceiling boards of following models. a) Prima Dune Plus Tegular edge 600 x 600 mm	20.00	One Sq. m	769.58	15,391.53
14	Microlook Tegular edge / Plain 600 x 600 mm	10.00	One Sq. m	769.58	7,695.77
15	Repair to the sliding doors of built in cup boards, repairs include removal of MS tees / channels, casters etc. converting the sliding shutters hinged type shutters with required modification to the shutters and using the following fixtures to a pair of shutters.a) 1" continuous hinges-2nos, B0 Knobs-2nos, c) 3" aluminum tower bolts- 2nos. The rate shall include cost of modification to shutters, cost of all materials and polishing with one coat of polish. (The payment will be made for the surface area of shutters) etc., complete all as directed by Engineer-in-charge.	80.00	One Sq.M	302.30	24,183.60
16	Supplying and fixing aluminum partitions with new anodised aluminum box section of size 101.60x 44.45x 2.00mm for verticals, and with 63.50x 38.10x 2.00mm for horizontals spacing suitable to the site requirements and as approved by site in charge. Wherever doors are coming wooden runners are to be provided in the box section. The rate shall include grouting of frame to the floor properly fixed at ends to walls, cost of aluminum sections, labour etc., complete all as directed by Engineer-in-charge. (The door opening shall be deducted for payment)	25.00	One Sq.M	1302.16	32,553.94
17	Supplying and fixing aluminum door shutters made out of new anodised aluminum box section of size 44.50x 47.50x 2.00mm for verticals, top and middle rails and 101.60x44.50x2.00mm for bottom rail inclusive of supply and fixing of all aluminum fixtures and fittings such as handles 2 nos, 1 No of tower bolt 12mm dia 200mm long, 1 No of hydraulic door closure of IS specification , 3 nos. of 4" long(100mm) but hinges, stopper 1 No and suitable locking arrangement etc. complete all as directed by Engineer in charge etc. complete.	12.00	One Sq.M	2886.85	34,642.19
18	Supplying and fixing 2 mm thick vinyl flooring ("Tusker" make) (roll) in required colour and size on the existing floor including necessary adhesives, labour, cost of all materials shifting of furniture from the cabins to outside and re-arranging the same after completion of work as directed by the Engineer-in-charge. The tile material confirm to IS:3462.	35.00	One Sq.m	296.73	10,385.55

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
19	Supply and fixing of aluminum window grills of size 1.50 Mx1.80M approx. and 1.20 mx1.80M approx. . along with aluminium frame consisting aluminium 'F' (solid) 0.80kg/12' supply and fixing of design of 4" aperture aluminium grill to the above frame work with necessary fixtures. It includes fixing of total frame to the existing brick work, finishing etc., complete all as directed by Engineer-in-charge. (The material shall be aluminium alloy :6063, thick 7 mm, ultimate tensile strength more than 19 kgs/sq.mm)	8.00	Sq.m	1523.34	12,186.72
20	Providing and Fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS:733 and IS :1285, Fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions , at top, bottom and sides with required EPDM rubber/ neoprene gasket, etc.; Aluminium sections shall be smooth , rust free. straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing/panelling , CP bar /stainless steel screws all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and Panelling to be paid for separately). - Anodised aluminium (Anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) - For Sliding Windows of required size.	55.00	Kg	344.10	18,925.25
21	Supply & fixing of Rollar blinds including channels, fabric etc. complete and the basic cost of the blinds shall be in the range of Rs. 125/- per S Ft. The colour and design of the blinds will be selected by department within the above specified cost etc., complete all as directed by Engineer-in-charge.	8.00	Sq.m	1483.76	11,870.04
22	Supply and fixing of vertical blinds 100 mm in required colour along with channels, fabric bottom weights etc. complete. The basic cost of the blinds shall be in the range of Rs. 70/- per S Ft. The colour and design of the blinds will be selected by department within the specified cost. The agency shall procure the same etc., complete all as directed by Engineer-in-charge.	30.00	Sq.m	791.33	23,739.98
23	SUPPLY & FIXING or RAJSHRI or equivalent SINGLE SIDE PRELAM SOLID PANEL PVC DOOR FRAME (CHOUKHAT) Providing and fixing factory made Pac single side Prelam door frame of the size 50X47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid Pac single side prelam sheet, meter cut at two corners and joined with 2nos. of 150mm long brackets of 1515mm MS. Square tube. The two vertical door profiles are to be reinforced with 19X19mm MS. square tube of 19guage. The door frame shall be fixed to the wall using 65/100mm long MS. Screws through the frame by using Pac fasteners. A minimum of 4nos. of screws to be provided for each vertical member and minimum 2nos. for horizontal member etc. complete as per manufacture specification and direction of Engineer-in-charge.	12.00	RM	326.52	3,918.22

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
24	Providing and fixing 30mm thick "RAJSHRI" or equivalent BRAND FACTORY MADE BOTHSIDE PRELAM SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of MS. Tubes of 19gauge thickness and size of 19mmX19mm for stiles, top and bottom rails. MS. Frame shall have a coat of steel primers of approved make and manufacture. MS. Frame covered with 5mm thick heat moulded "Rajshri" Prelam Pac 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 450 angle on either side forming stiles; and 5mm thick, 95mm wide Rajshri Prelam Pac sheet out of which 75mm shall be flat and 20mm shall be tapered in 450 on the inner side to form top and bottom rail 115mm wide Rajshri Prelam Pac sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rail shall be provided either side of the panel. 10mm (5mmX2) thick, 20mmwide cross Pac sheet shall be provided as gap insert for top and bottom rail. Panelling of 5mm thick both side Prelam Pac sheet to be fitted in the MS. Frame welded/ sealed to the stiles & rails with 7mm(5mm+2mm) thick X 15mm wide Pac sheet beading on inner side, and joined together with solvent cement adhesive etc. an additional 5mm thick Pac strip of 20mm width is to be stuck on the interior side of the 'C' channel using Pac solvent cement adhesive etc. complete as per direction of Engineer – in-charge, manufacture specification and drawing.	5.00	Sq.m	2592.95	12,964.77
25	Supply and fixing of 12 mm thick toughened glass glazed single door shutter with door hardware "Dorma / Ozone" make like floor springs, pivot patch fittings, bottom locks, 'D' Handles and providing with "3M" frosted film in required design etc. complete as directed by Engineer-in-charge. The above door shutter shall be fixed to the aluminium / wooden / glazed door frames of the cabins. The rate shall include cost of all materials, glass, door hardware, frosted film, labour charges etc. complete.	10.00	Sq.m	3185.96	31,859.63
26	Supply and Fixing of Glass Door- patch Floor Lock, Make: Dorma/ Ozone.	5.00	Set	3382.46	16,912.30
27	Supply and Fixing of double action concealed Hydraulic Floor Spring for the glass doors of weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. Make:Dorma / Ozone	3.00	Set	6752.70	20,258.09
28	supply and Fixing of Top / Bottom patch fitting for the glass doors. Make:Dorma/ozone.	3.00	Set	1659.79	4,979.36
29	Supply & Installation of lighting fixtures with lamps as per the details below including necessary hardware such as clamps, nuts, bolts, nails, screws and suspension rods as required for fixing the fixtures in position as directed by architect / consultant, complete in all respects. Supply & fixing of energy efficient light fitting of Philips FBS 450/236 D6 HF wing -C- LX recess mounted direct, indirect light efficiency.	3.00	Each	4172.58	12,517.75
30	Supply and Fixing of Philips lamps of PLL 36 W etc., complete all as directed by Engineer-in-charge.	2.00	Each	256.92	513.85

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
31	Supply and fixing of top fixed, side hung of NCL Seccolor windows & Ventilators of make shakthi/Ajantha/Finesta , fabricated from Roll formed section made of pre painted steel (Base steel as per IS 513 of 0.6 mm thick, 'D' quality, galvanized as per IS 277 with zinc 120 GSM / Sq. Mtr). Section for shutter should be of 46 x 46 mm, external frame should be of 46 x 52 mm, section for glass beading should be of 18 x 25 mm & center mullion should be 46 x 70 mm. The sections to be cut to length, meter joined with corner bracket. Centre mullions are to be fixed using mullion cap. Handle made of high grade aluminium powder coated & with nylon receiver & glazed with 5 mm thick, Modi/Saint Gobain float glass. Gasket made of E.P.D.M. Corner brackets made of C.R.C.A with zinc phosphating. Mullion caps made of glass filled nylon. The above frames should be fixed to the concrete / masonry walls by means of self expanding screws. Approximate size of windows 1.30mx0.9m and 3.00mx2.10m -Double shutter without guard bars(grills)... Excise duty/VAT inclusive .Service tax extra as applicable.	2.00	Sq.m	2898.19	5,796.38
32	Supply and erection of false ceiling Providing and fixing in true horizontal level 600 mm x 600 mm false ceiling system manufactured by M/s. Armstrong World Industries using DUNE SUPREME RH 99 MICROLOOK EDGE WITH SILHOUETTE GRID, using hot dipped galvanized steel section, rotary stitched main tee of size 15mm x 42 mm web height, having 0.36 mm gauge at every 600 mm centre to centre maximum and rotary stitched cross tee of size 15 mm x 42 mm, having 0.33 mm gauge at every 600 mm. c/c. and wall angle of size 19 x 19 mm., having 0.35 mm gauge fixed to the periphery of the wall. The above grid is suspended at every 600mm c/c. in both directions using 2.0 mm. thick pre-straightened GI wire laying Dune Supreme Microlook Edge ceiling tiles manufactured by M/s. Armstrong World Industries, of size 600mmx600mmx15mm having NRC 0.50, Light reflectance of >85% (WT), thermal conductivity k = 0.052-0.057 W/mOK, Humidity Resistance of 99% (having LIFETIME GUARANTEE against SAG), having Fire Performance CLASS O / CLASS 1 (BS 476), surface having 3 coats of white paint - crisp finely granulated with microperforations, back of the tile duly sanded and finished with a coat of protective paint over the formed grid and complete in all respects etc., complete all as directed by Engineer-in-charge. Make: Armstrong	25.00	Sq.m	1091.65	27,291.34
33	Supply and Fixing of NCL seccolor window handles etc., complete all as directed by Engineer-in-charge.	10.00	Each	308.31	3,083.12
34	Supply and Fixing of NCL seccolor window hinges etc., complete all as directed by Engineer-in-charge.	10.00	Each	462.46	4,624.62
35	Wall paneling: Supply & fixing with new 12 mm thick particle board one side laminated of approved brand (Eco board) and shade for wall paneling on the wooden frame work (treated with termite and moisture resistant chemical) and also for doors, windows, cup board sliding shutters, pelmets, boxes etc. with necessary fixtures like brass hinges, door handles and stoppers etc. as directed by Engineer-In-charge. The rate quoted shall include of cost of all labour, materials such as particle boards, nails, screws, sliding rollers/bearings, fevicol etc. complete. Frame work with second class teak wood scantlings of size 50 x 25 mm as verticals and horizontals, at an interval of 90 mm c/c shall be made for fixing the Eco board. Joints shall be covered with inlay teak design beading and corners shall be covered with corner teak design beadings of suitable sizes. Complete in all respects. Make : Eco board	20.00	Sq.m	1545.71	30,914.10

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
36	Supply & Fixing of teak wood name board of required size approx. 0.10 Sqm with approved polish, required calmps/adhesive for glass writing the names of the designatory with designation in Two/three languages with golden letters as directed by engineer-in-charge. The rate includes all complete.	8.00	Each	565.25	4,521.97
37	Supply and fixing of Netlon PVC mesh to windows, ventilators and exhaust fans, including all necessary materials i.e nails, electro tapes etc complete all directed by Engineer in Charge.	8.00	Sqm	410.50	3,283.98
38	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.50 mm all complete With 2nd class teak wood beading 62X19 mm	8.00	Sqm	1481.29	11,850.30
39	Providing and fixing of frosted film of approved make on glasses as per approved pattern / design complete in all respect as per direction of Engineer in-charge and as per site conditions. The colour and design will be approved by the competent authority Make-3M or any approved equivalent make.	4.00	Sqm	625.43	2,501.73
40	Supply and fixing of Toughened glass 12 mm thickness complete all directed by Engineer in Charge.	4.00	Sqm	1678.79	6,715.17
	Total				₹ 4,99,661.28

Note:

1	Risk Purchase : In case the contractor fails to execute the work within the scheduled time or due to any other reasons, BHEL reserves the right to get the same completed through some other party at the risk & cost of the contractor and any additional expenditure incurred due to the same shall be charged to the contractor.
2	The rates are excluding GST.
3	The maintenance period is 6 Months . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.
4	<p>Penalty terms:</p> <p>a) In the event of delay in supply of goods and or services beyond contractual delivery date, penalty of 0.5% per week or part there of shall be levied on the gross value of work done subject to a maximum of 10% of the gross value of the total work executed. Penalty amount so determined along with GST if applicable thereon shall be recovered.</p> <p>b) If the contractor fails to deposit the required security deposit or commence the work within the period as per LOI/Contract. The EMD will be forfeited.</p> <p>c) If the agency fails to commence the work as requested by the department penalty of 0.5% on the gross value of work for weeks delay will be applicable. Penalty amount so determined along with GST if applicable thereon shall be recovered.</p>
5	Taxes: Bidders shall quote their Basic price exclusive of taxes. The applicable taxes on supply of material or services, as the case may be viz. GST shall be quoted separately, clearly showing the Service Code/Tariff Head, Rate of Tax and Amount of Tax in the Bid. The reimbursement of taxes to the contractor is contingent upon fulfilment by the contractor of all statutory provisions as stipulated in the relevant taxation statute enabling BHEL to avail the eligible input tax credits. TDS at the rates prescribed under Income Tax Act shall be deducted from the payments due to Contractor and BHEL shall issue the necessary TDS Certificates for such deductions made.
6	The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than GST as applicable from time to time.
7	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.
8	The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.
9	The agency has to pay the minimum wages to workers with statutory payments like ESI, PF etc., is as per BHEL notification and as per NIT. For USW= ₹ 550.38, SSW= ₹ 587.73, SW = ₹ 623.54 + ESI + PF + PPE's and other statutory if any increase in future DA is to be borne by the agency.
10	The agency has to bring police clearance certificate for the work force.
11	All the terms and conditions of the contract with respect to taxes & duties are subject to the new taxation laws introduced from time to time (e.g. GST). The terms and conditions will be modified in accordance with the provisions of new laws (e.g. GST).
12	Payment shall be made stage wise on approval from engineer in charge

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
13	Vendor shall raise GST invoice on BHEL Hyd GSTIN.				
14	If BHEL is unable to avail the input tax credit, the same amount shall be recovered from the vendor bills.				
15	Use of stone dust is not permitted in any civil works.				
	<u>GST CLAUSES</u>				
	Following points to be complied with :				
16	In case GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with interest levied/leviable on BHEL.				
17	In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied / leviable on BHEL.				
18	The bidder shall arrange to send to BHEL, Hyderabad along with all the required documents as in Purchase Order, Tax Invoice (Original for Recipient) along with his bills.				
19	Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.				
20	Taxes and duties prevalent on the contractual delivery date or the actual delivery date (in case of delay) whichever is lower shall be applicable paid. Composition Scheme to be addressed.				
21	Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.				
22	Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.				
23	In case of any short supply of goods or service Vendor has to raise a credit note for short supplied quantity as per GST provisions.				
24	Any GST liability arising on BHEL under reverse charge before actual receipt of goods and or services and/or invoice thereof would be subject to recovery of interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of invoices and other conditions specified in GST law, as applicable.				
25	Supplier shall mention their GST registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.				
26	A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.				

Tender %	In figure	In words
Excess		
Less		
At par with Estimated value		

Note :	The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimated value in figures and words. Bidders are requested to fill only one row.
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